



FIG. 1.

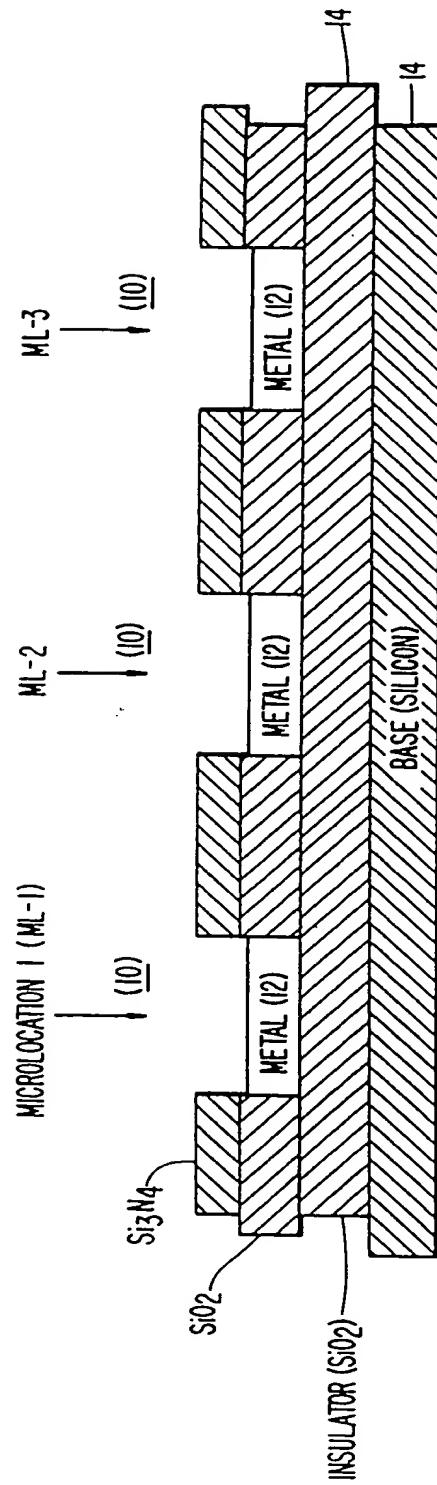
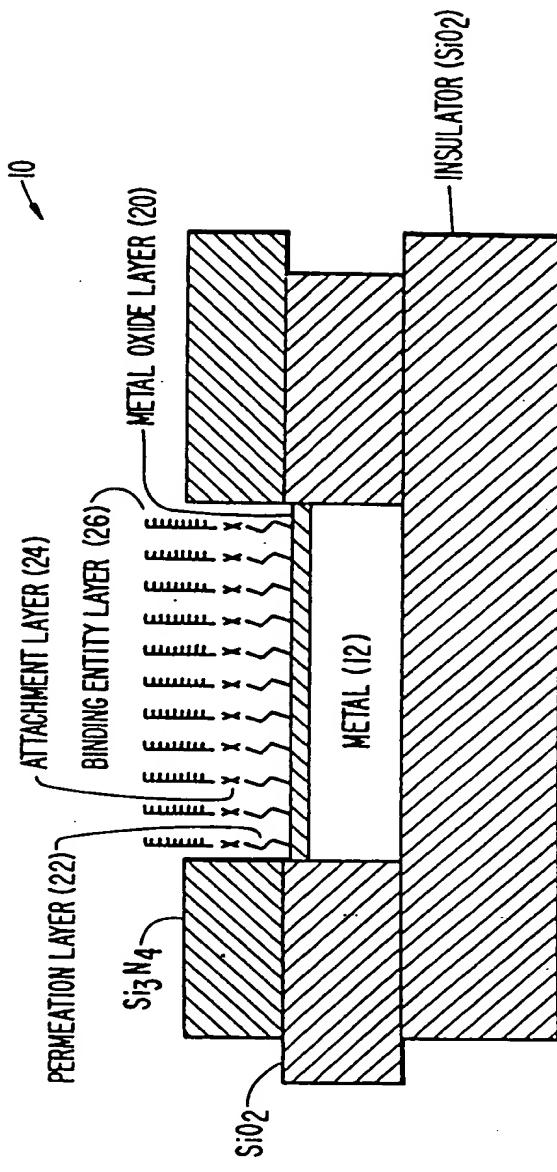


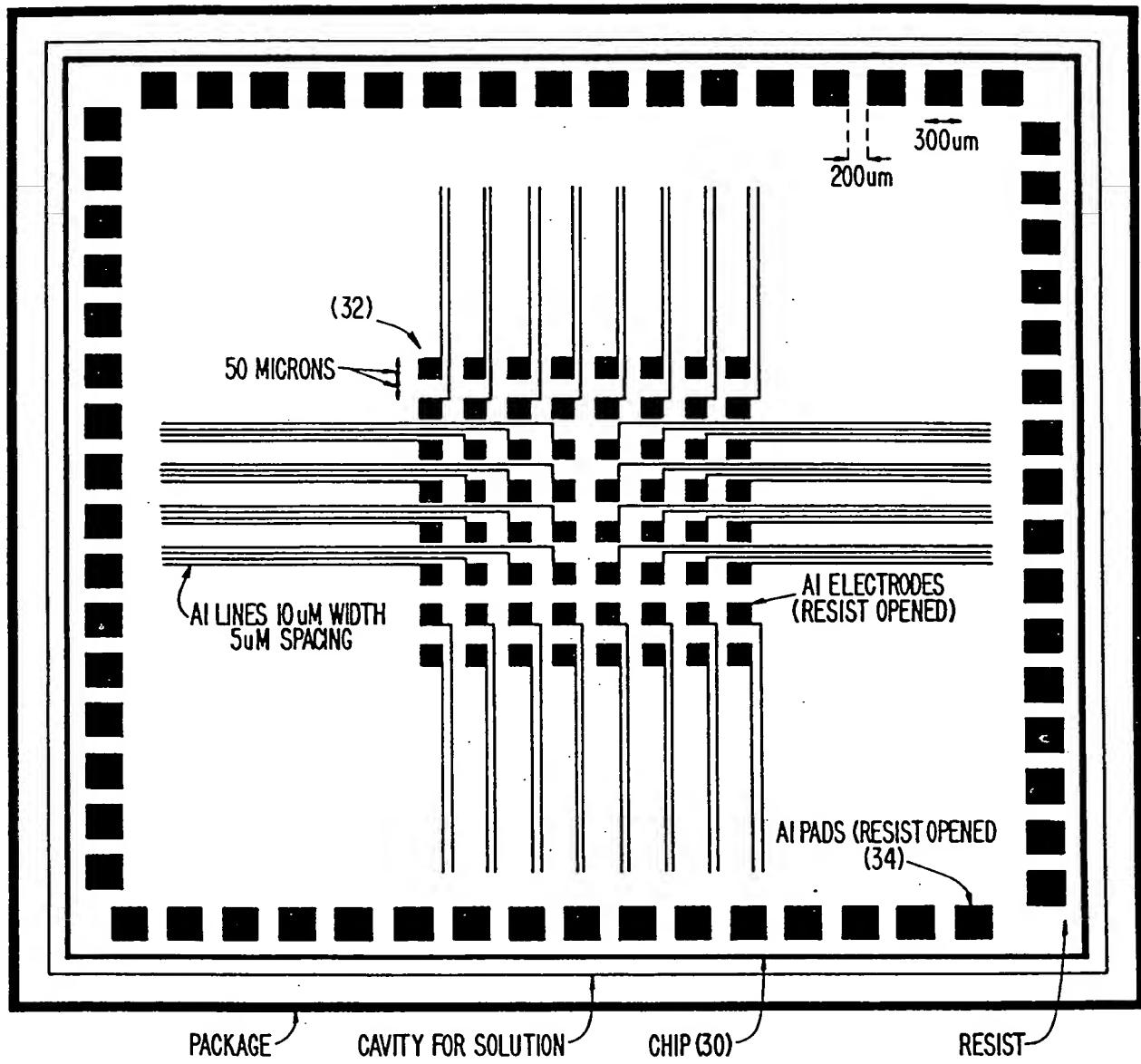
FIG. 2.





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FIG. 3.





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FIG. 4.

10% APS/Toluene

Three horizontal ruler scales are shown, each with a series of vertical tick marks. The top scale has a 'CHO' marking at the right end. The middle scale has a 'CHO' marking in the middle. The bottom scale has a 'CHO' marking at the right end. The scales are evenly spaced vertically.

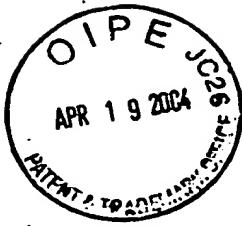
DNA Polymer Sequence (40)

OH - Si

OH - Si

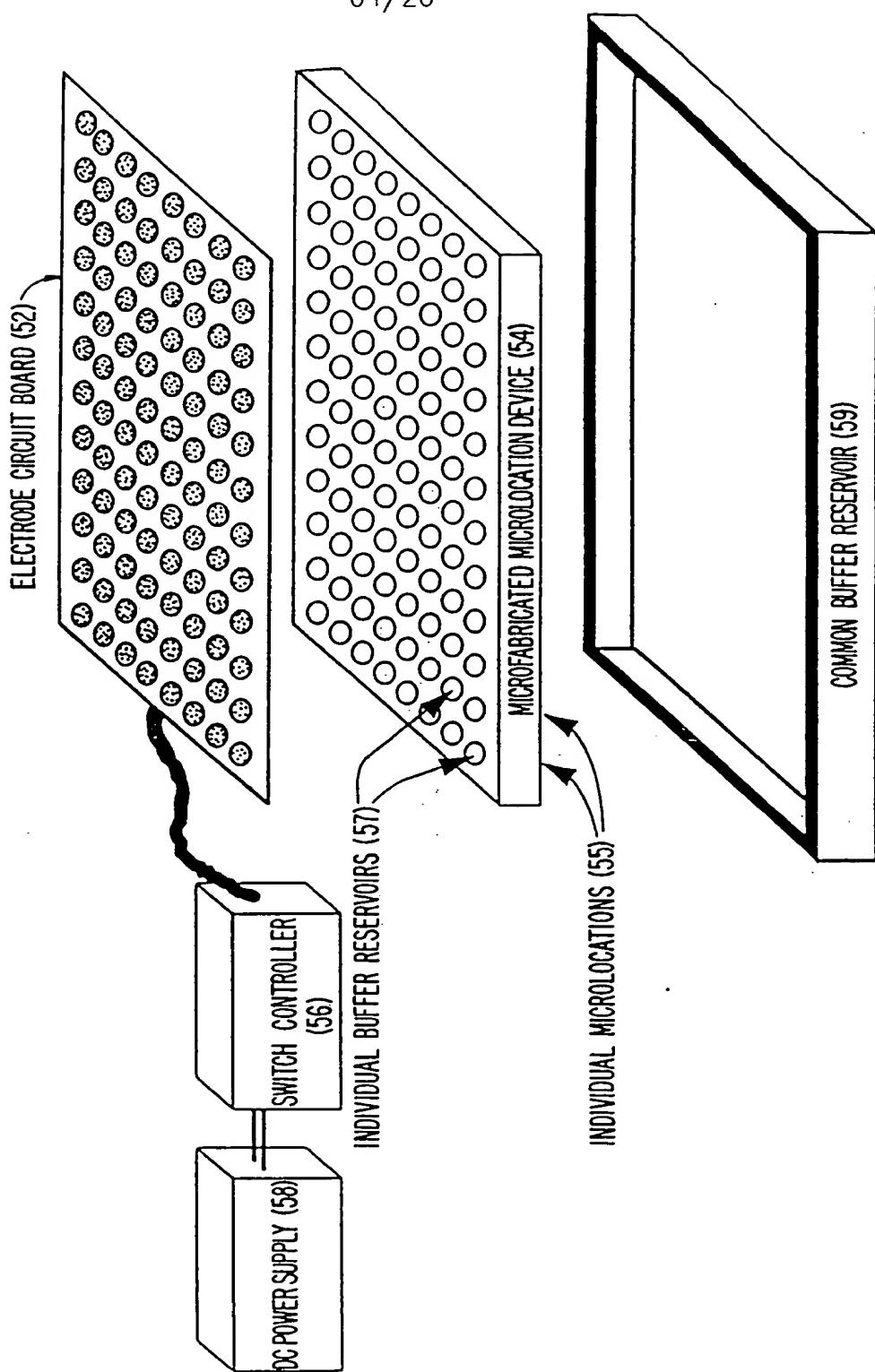
OH - Si

Substrate



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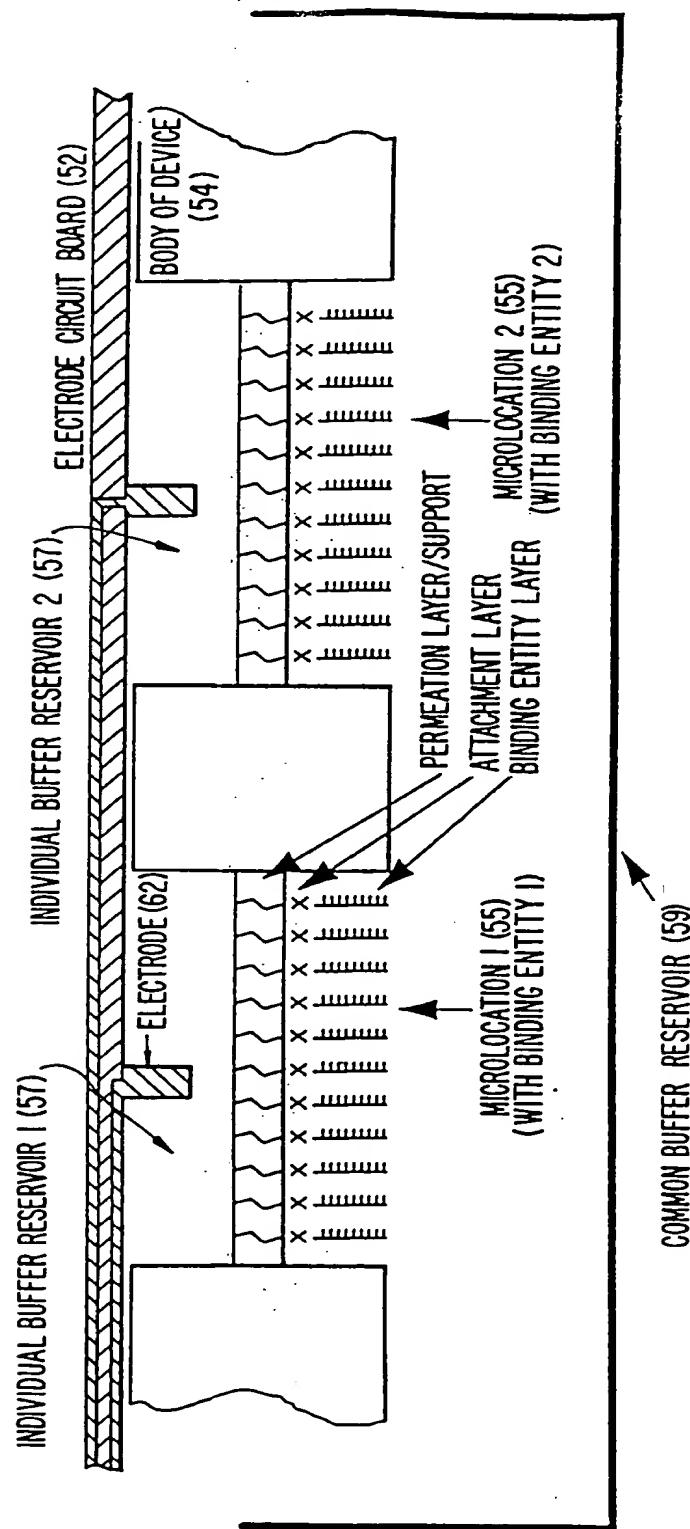
FIG. 5.





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FIG. 6.





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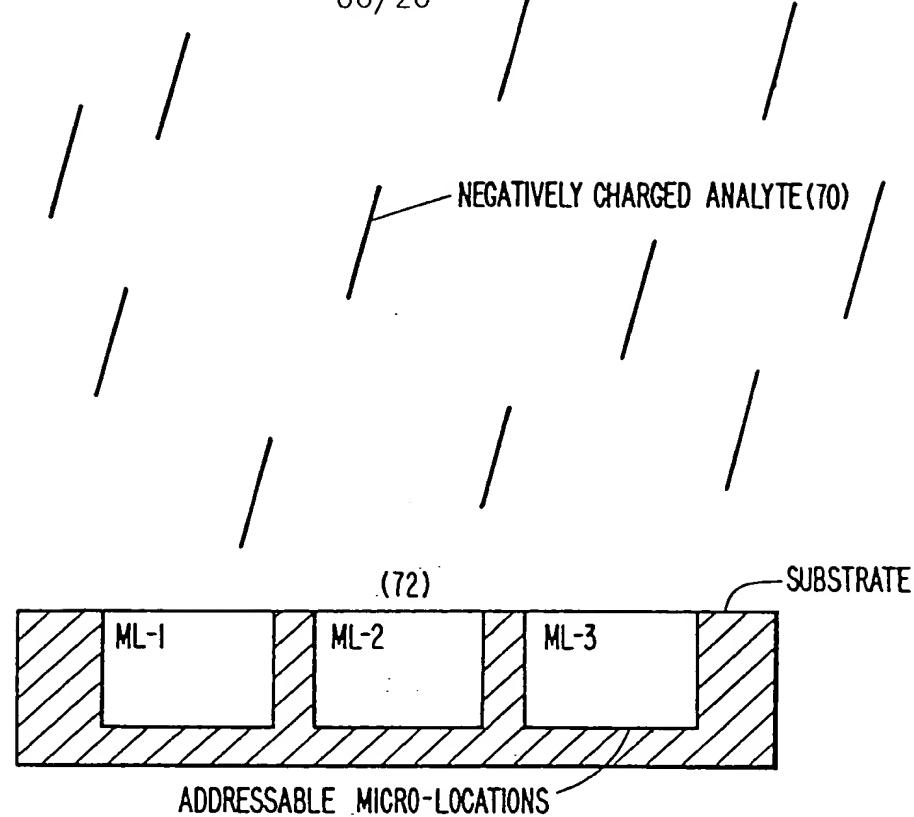


FIG. 7a.

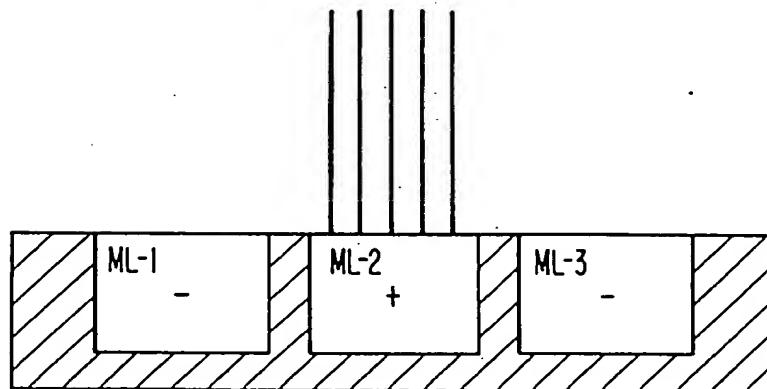


FIG. 7b.



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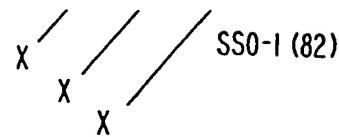


FIG. 8a.

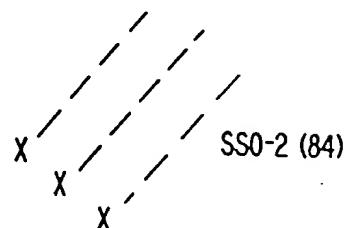
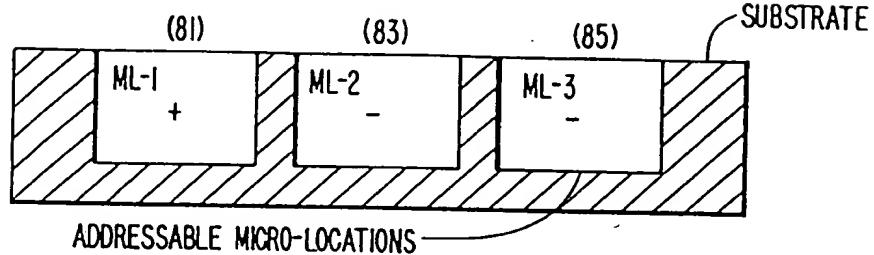


FIG. 8b.

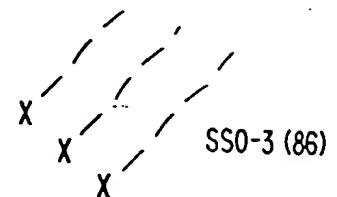
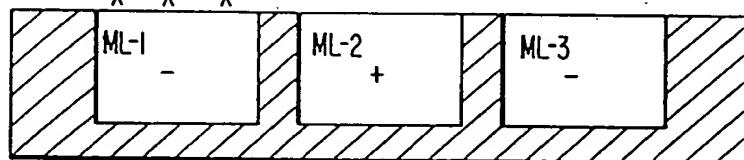


FIG. 8c.

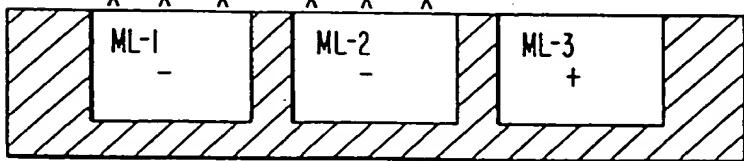
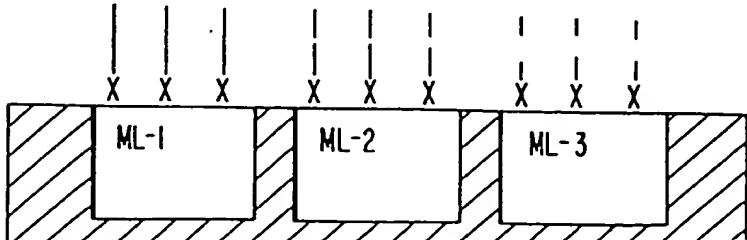


FIG. 8d.





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FIG. 9a.

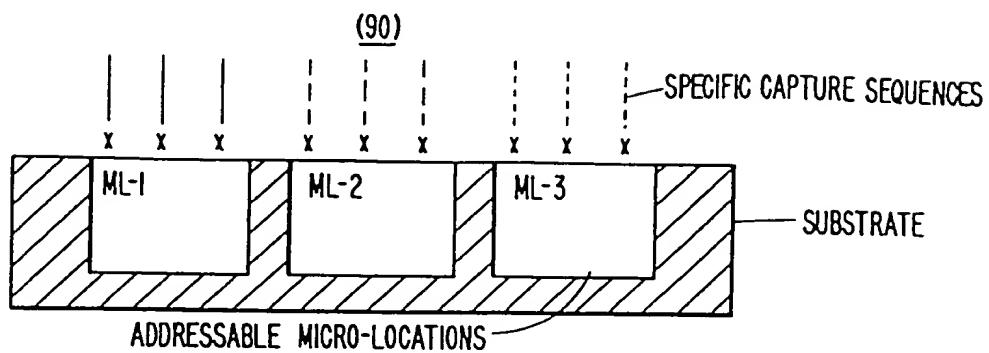


FIG. 9b.

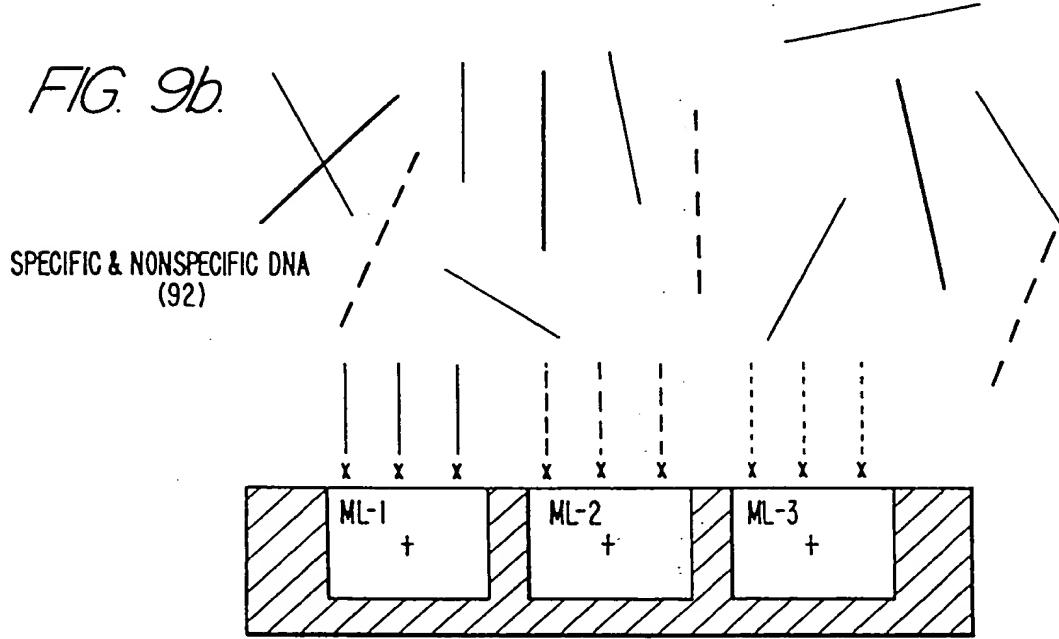
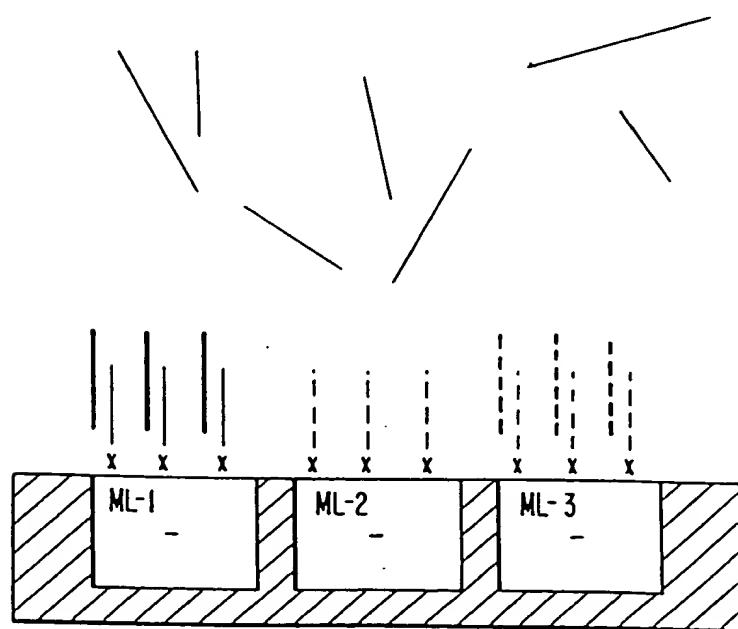


FIG. 9c.





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SEQUENCE SPECIFIC OLIGO 1 (108)

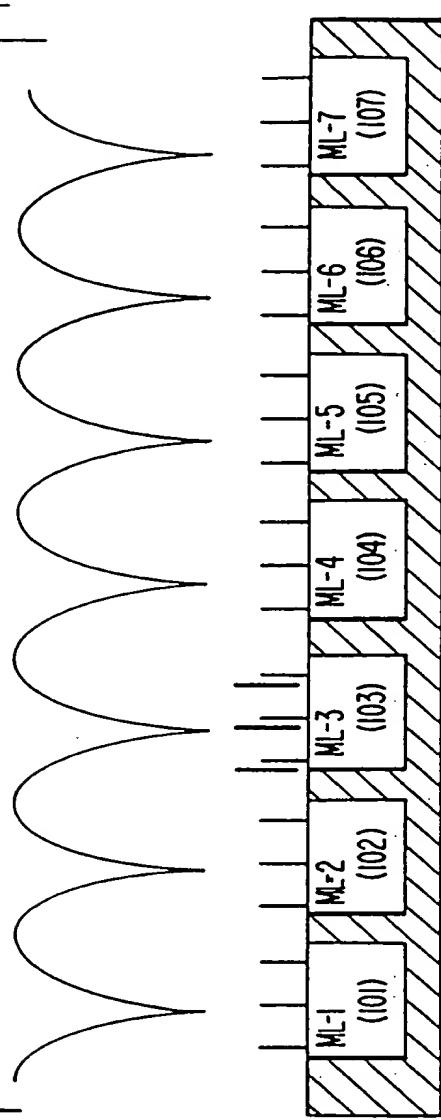


FIG. 10a.

SEQUENCE SPECIFIC OLIGO 2 (109)

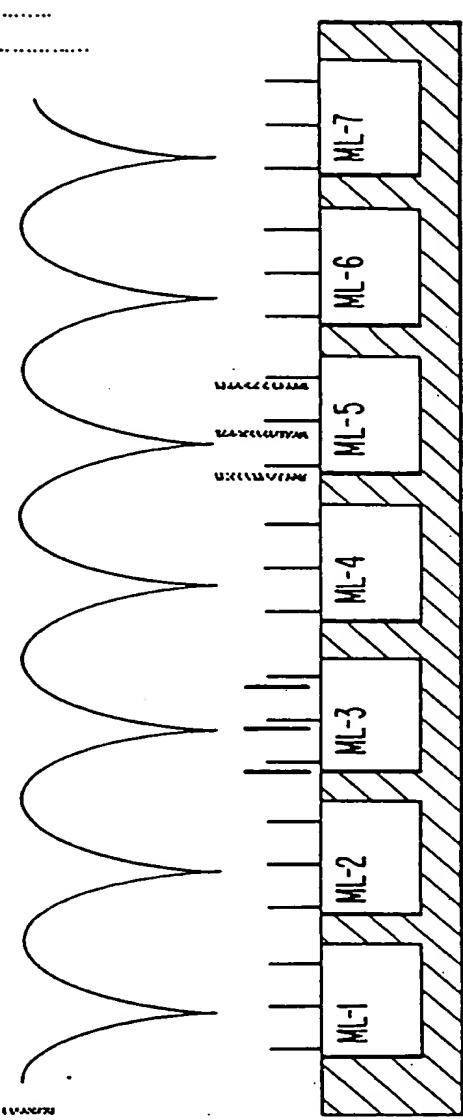


FIG. 10b.



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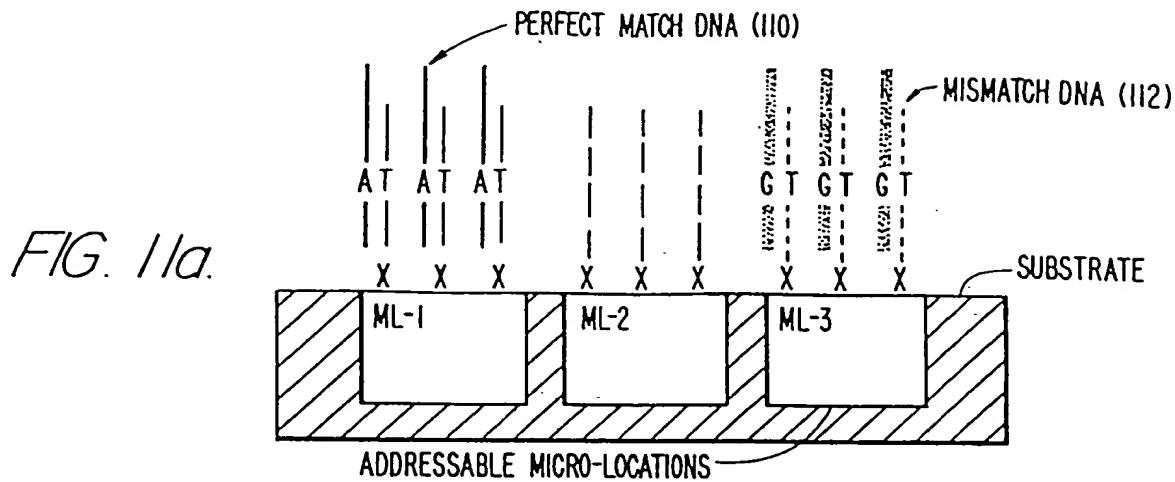


FIG. 11b.

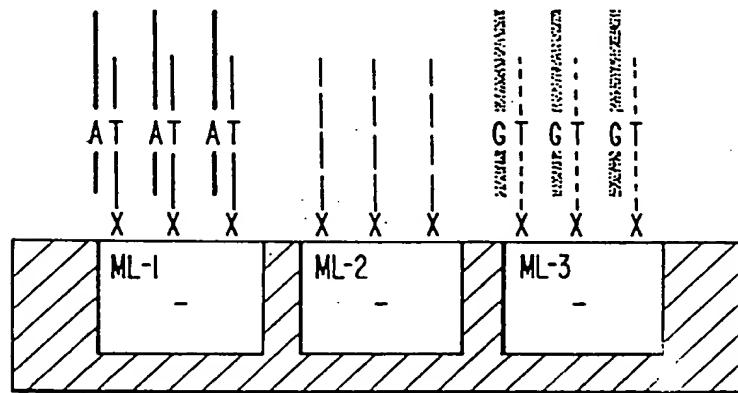
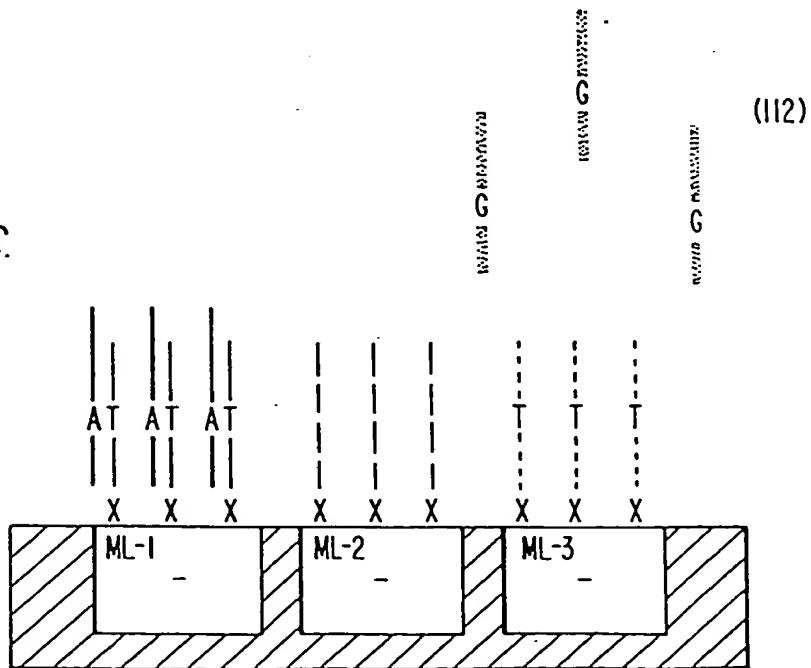


FIG. 11c.



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FIG. 12a.

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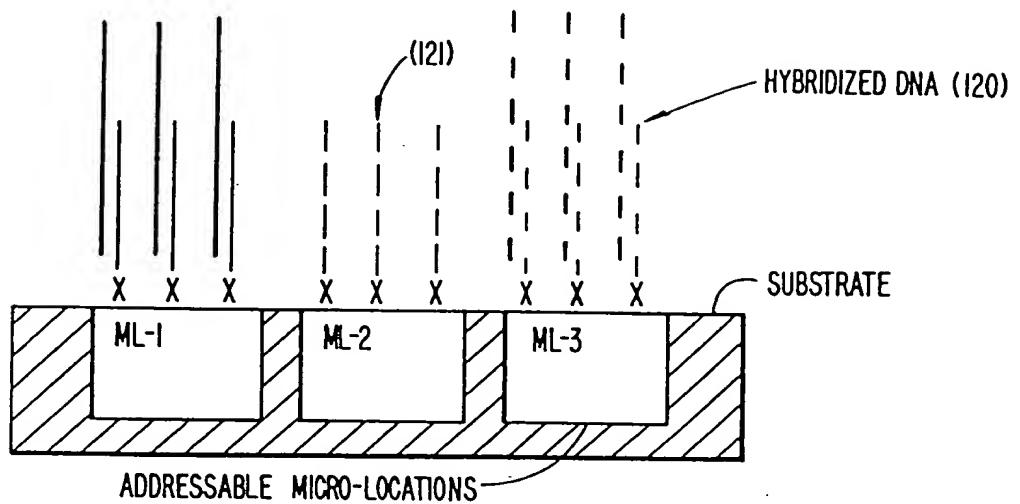
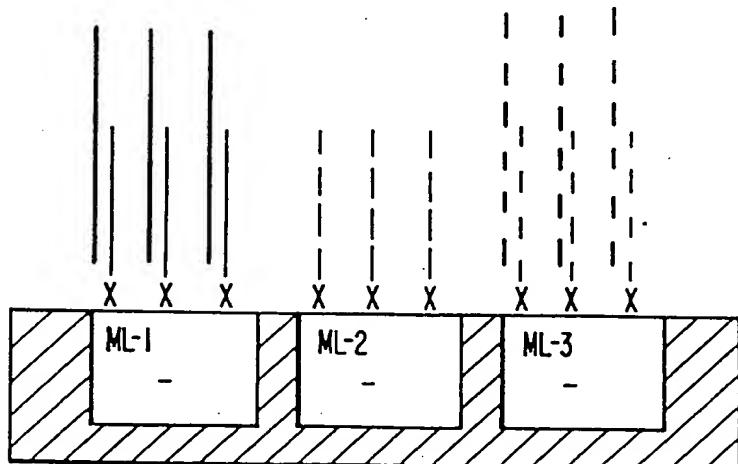
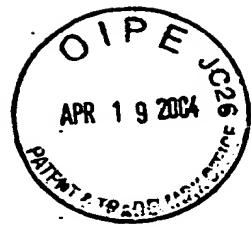


FIG. 12b.

DYE (122)





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FIG. 12c.

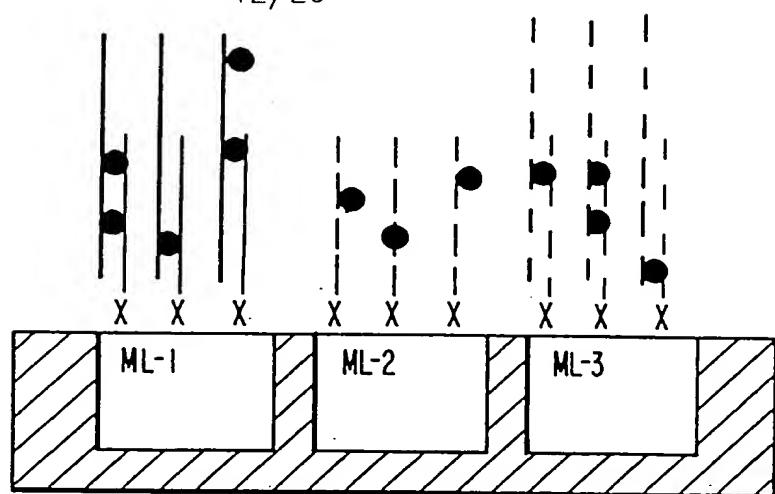
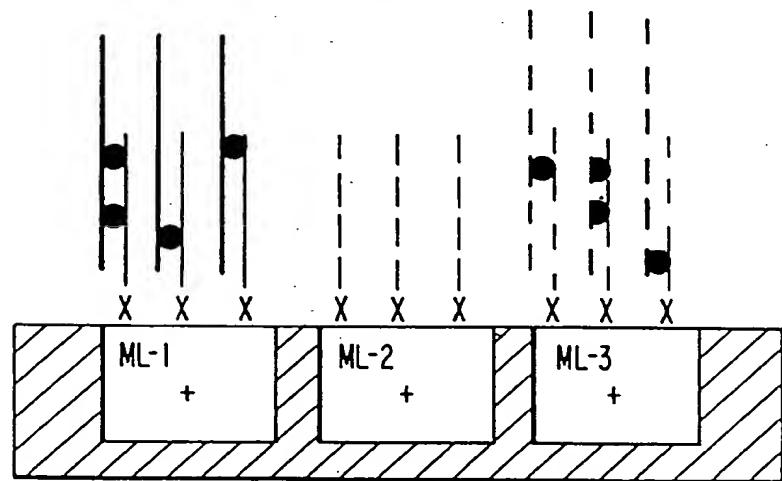


FIG. 12d.





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FIG. 13a.

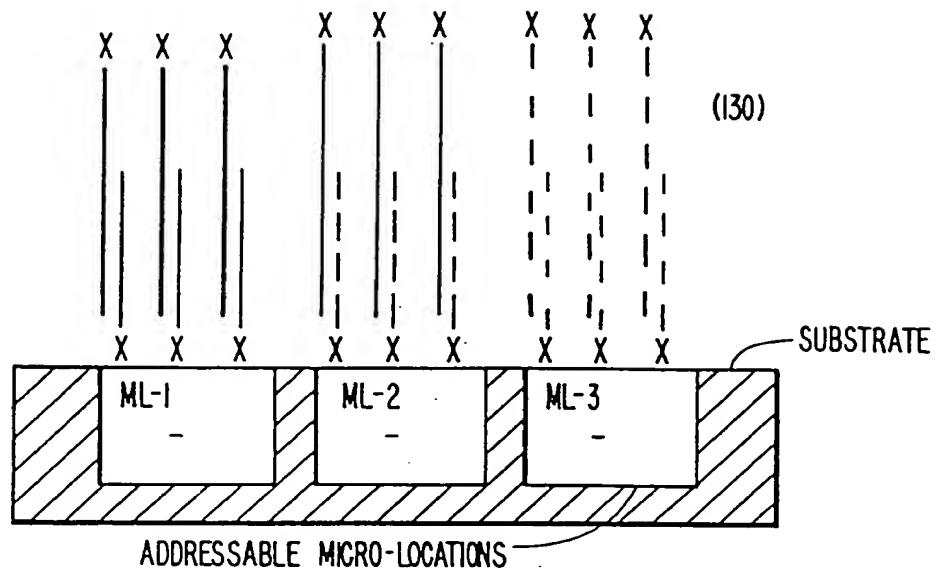


FIG. 13b.

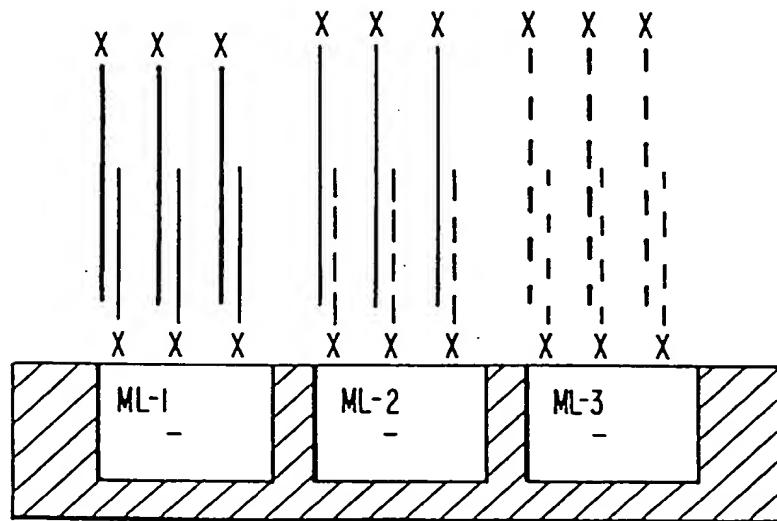
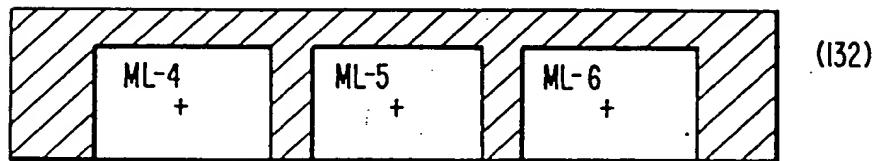




FIG. 13C.

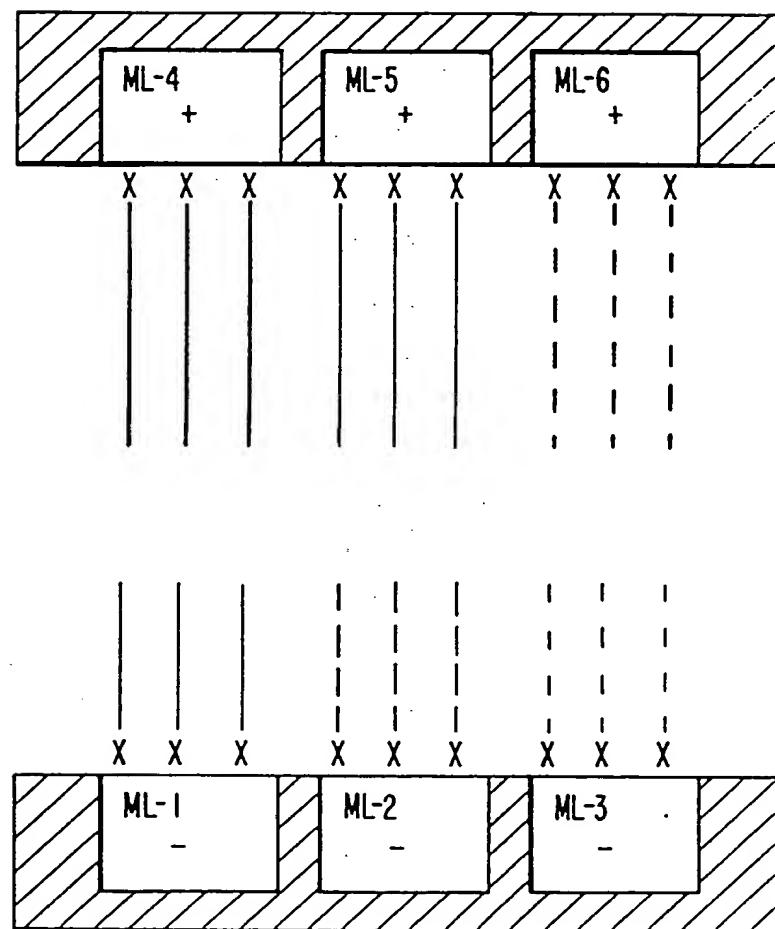




FIG. 14a.

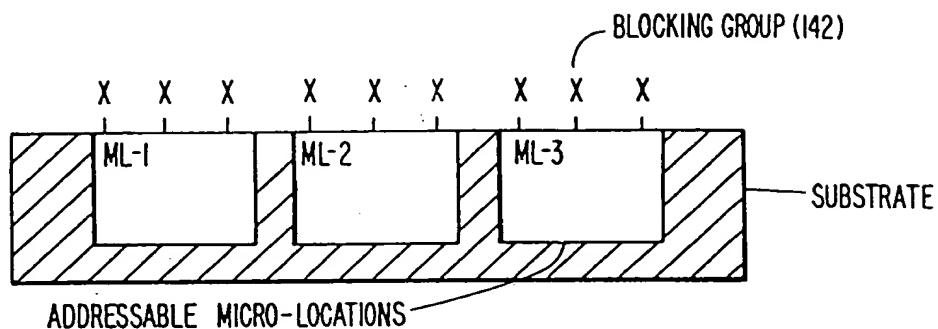


FIG. 14b.

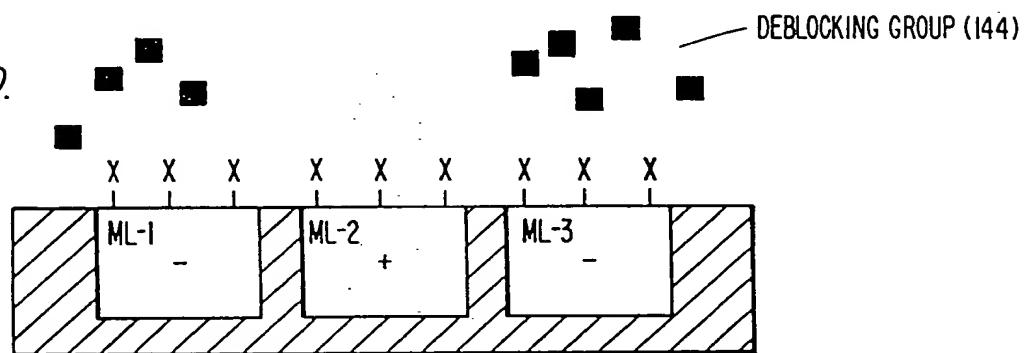
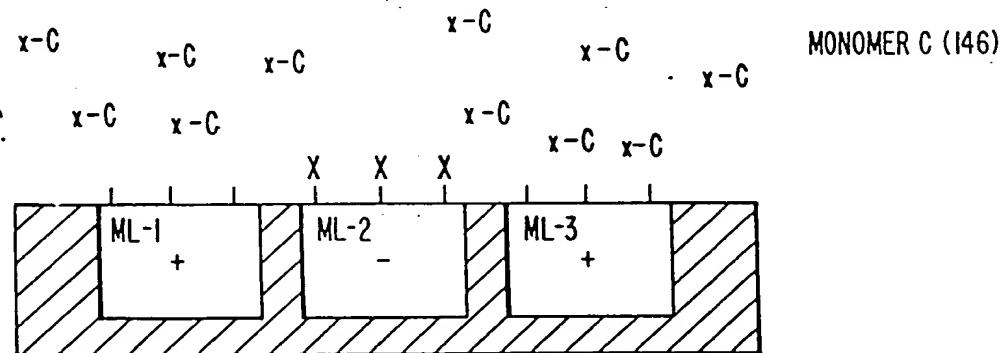


FIG. 14c.





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FIG. 14d.

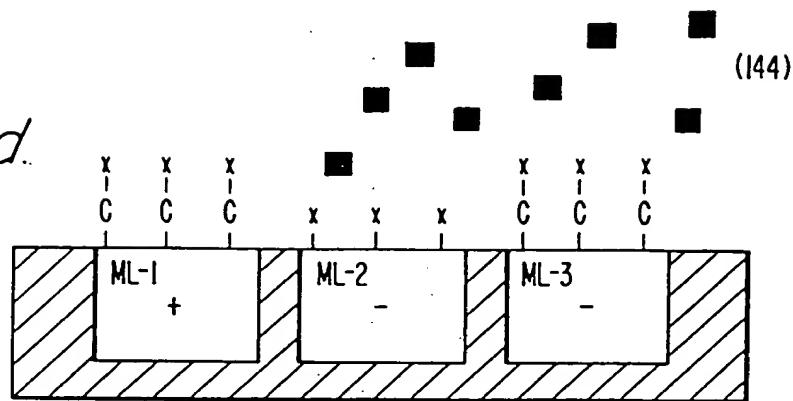


FIG. 14e.

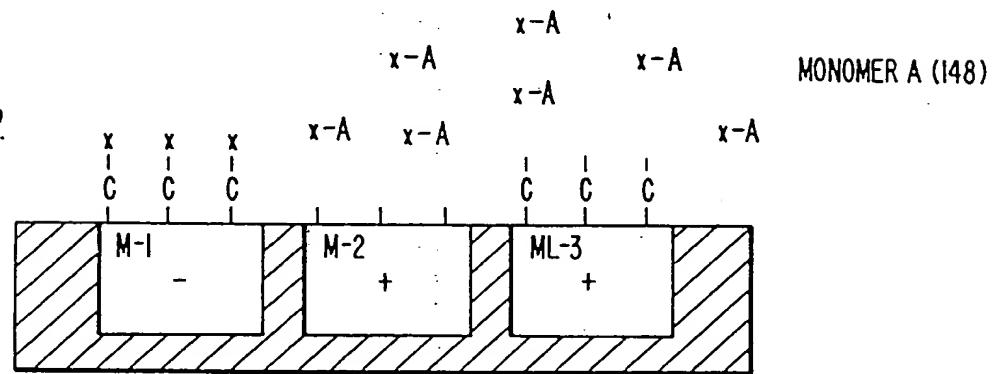
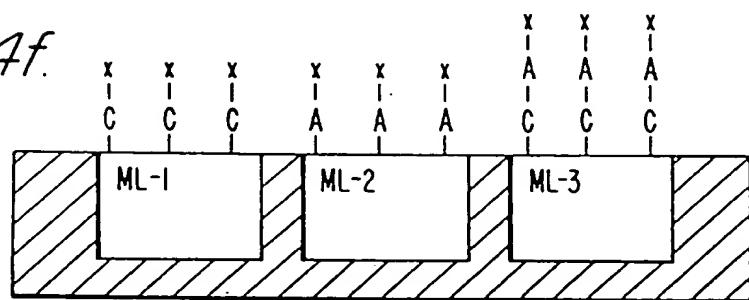
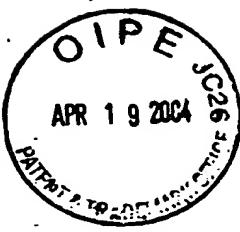


FIG. 14f.





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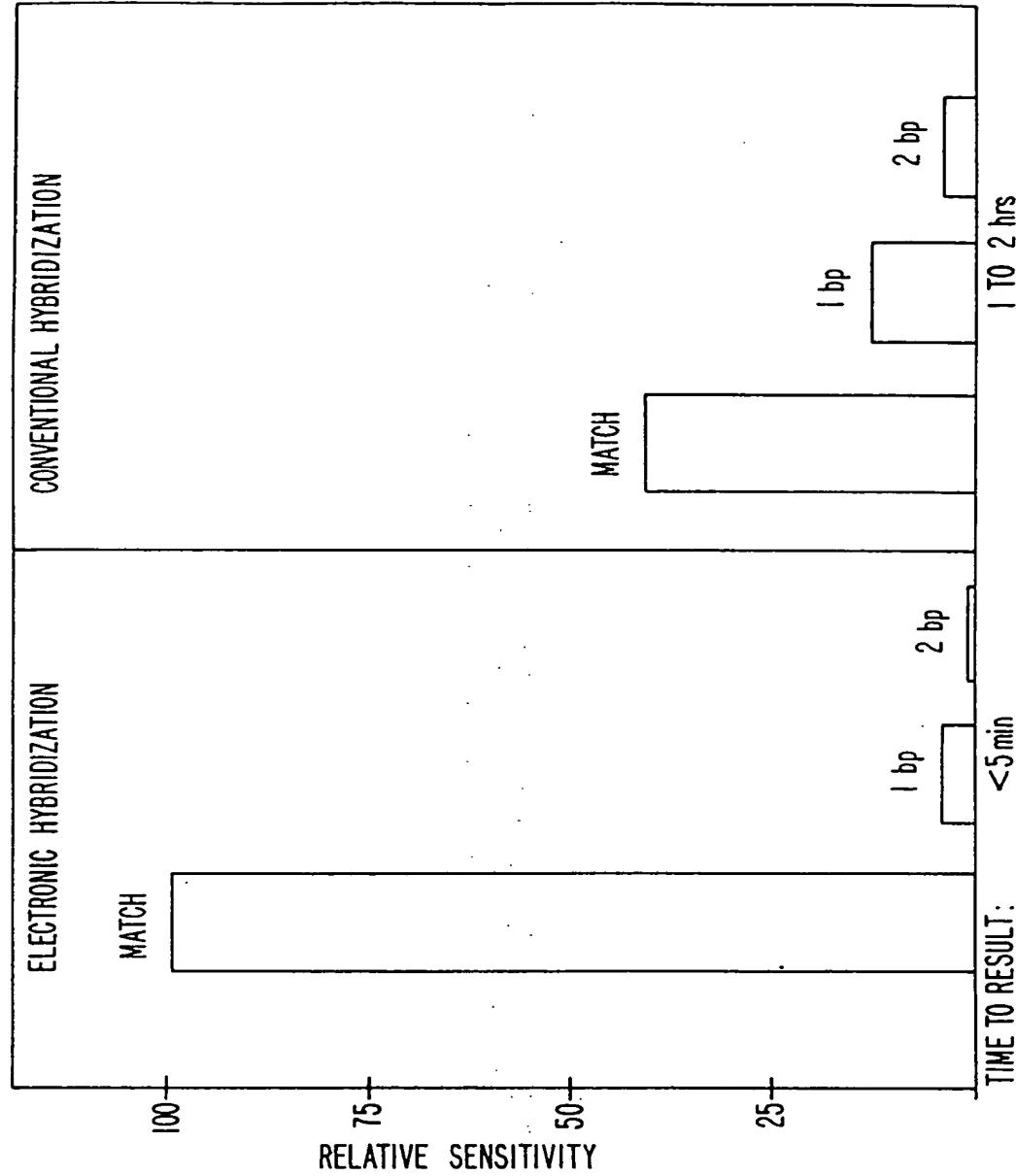
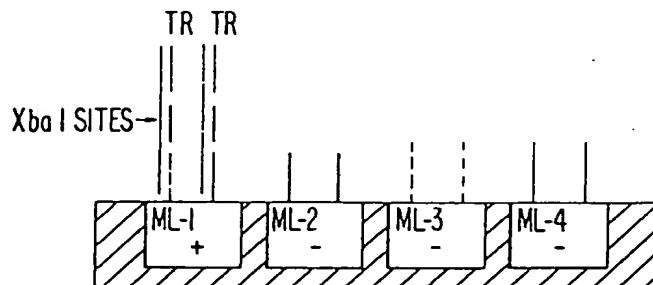
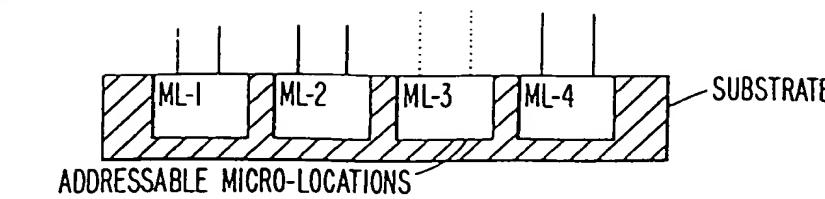
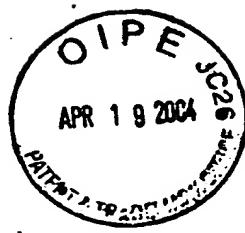
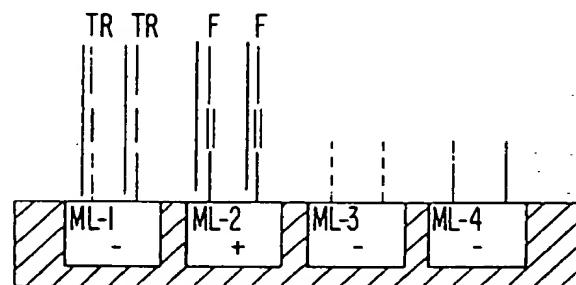


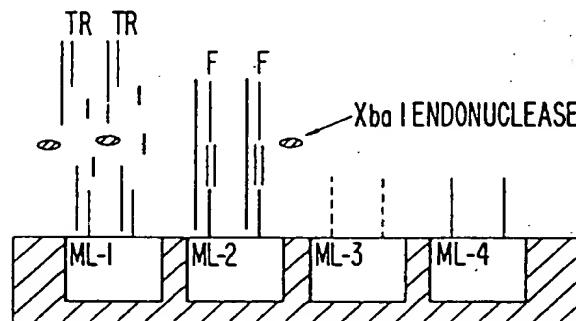
FIG. 15.



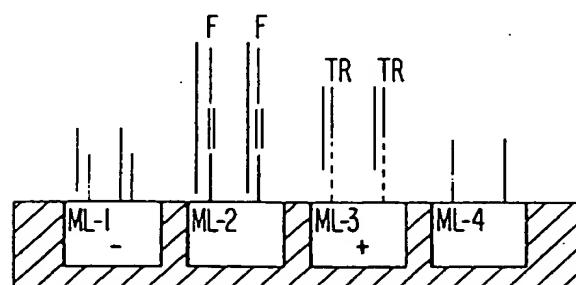
ADDRESS ML-1 WITH M13mp18
 TARGET, RESTRICTION PROBE AND
 TR PROBE (Xba I SITE)



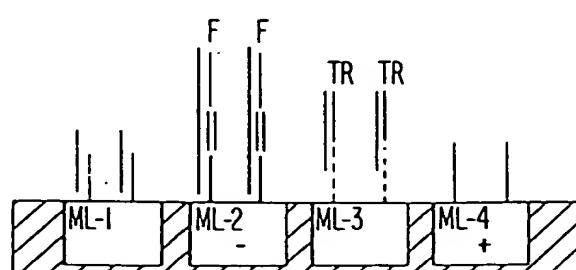
ADDRESS ML-2 WITH M13mp8
 TARGET, RESTRICTION PROBE AND
 F PROBE (NO Xba I SITE)



Xba I RESTRICTION DIGEST AT ML-1



RESTRICTION FRAGMENT MOVED TO ML-3

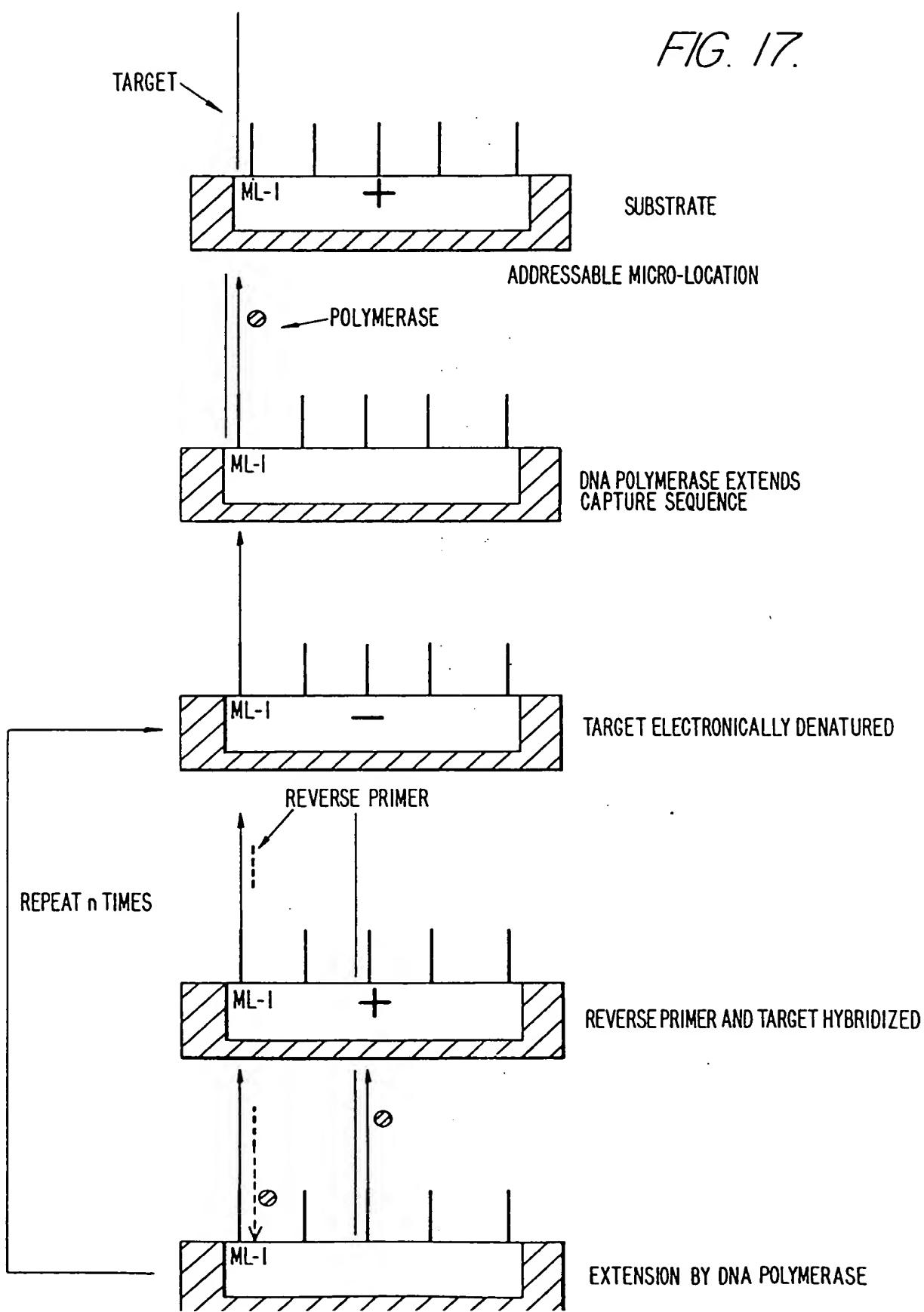


ML-2 NOT RESTRICTED BY Xba I

FIG. 16



FIG. 17.



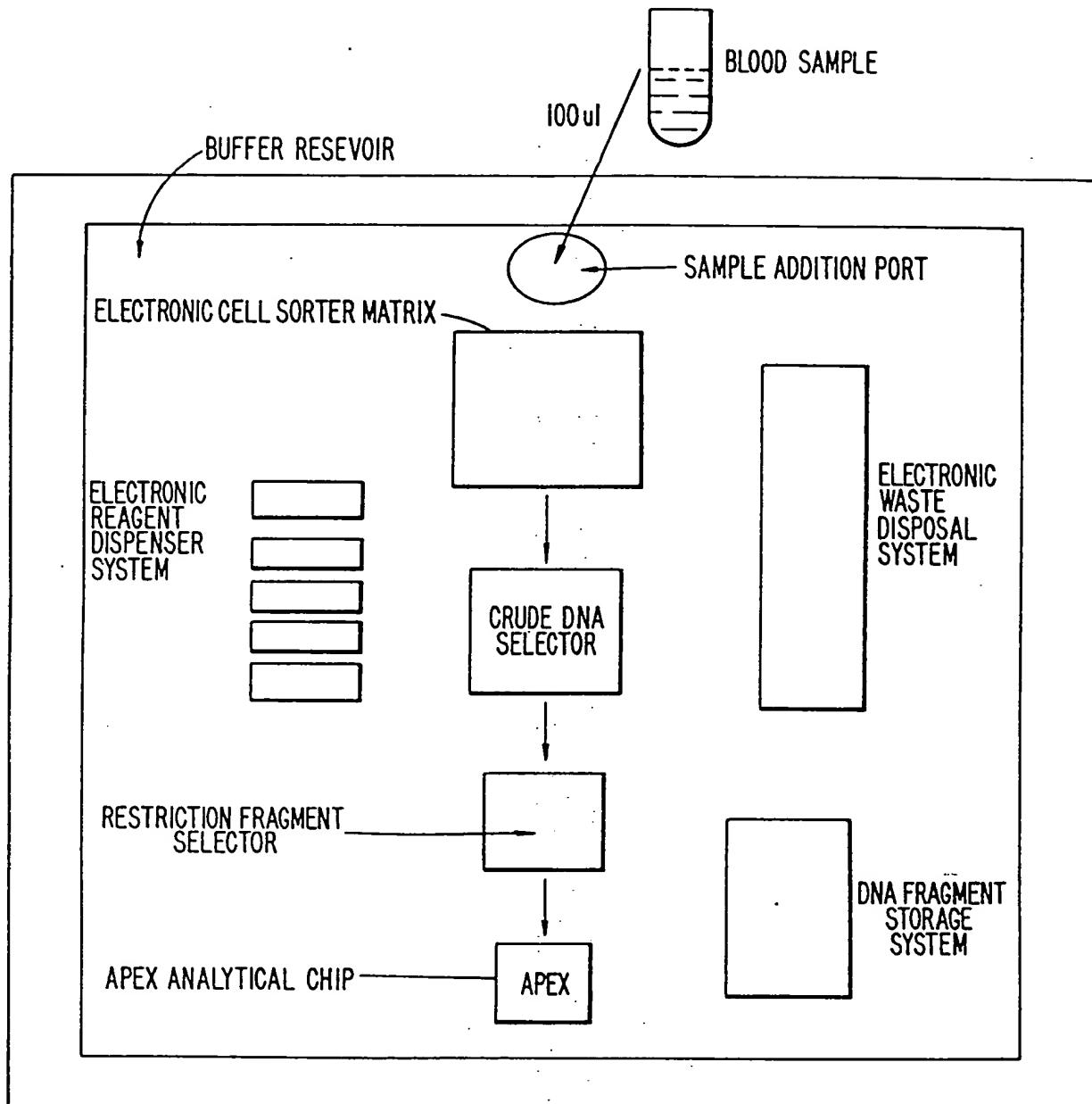


FIG. 18.